08/813 525

<u>DECLARATION</u>

As the below named inventors, we hereby declare that:

03/07/97

is attached hereto. was filed on

Our residence, post office address and citizenship are as stated below next to our names.

as Application Serial No :

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled "METHOD AND APPARATUS FOR CHECKING THE RESISTANCE OF PROGRAMMABLE **ELEMENTS**," the specification of which:

| | | as rippineation serial 110 | 00/013,323 |
|--|----------------------------|---|----------------------------|
| We hereby station | | wed and understand the | e contents of the above |
| known to us to be ma | terial to patentability of | the Patent and Tradema the subject matter claimederal Regulations, § 1.56 | ed in this application, as |
| any foreign application below any foreign app | (s) for patent or inventor | fits under Title 35, Uniter's certificate listed below rentor's certificate having | and have also identified |
| | PRIOR FOREIGN | N APPLICATION(S) | |
| • | | | Priority Claimed |
| (Number) | (Country) | (Date Filed) | Yes/No |
| (Number) | (Country) | (Date Filed) | Yes/No |

We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, we acknowledge the duty to disclose all information known to us to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56, which become available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)

We hereby direct that all correspondence and telephone calls be addressed to Michael G. Fletcher, Fletcher, Yoder & Edwards, Post Office Box 692289, Houston, Texas 77269-2289 (281) 970-4545.

We hereby declare that all statements made of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| inventor's run Name. | Douglas | J. | Cutter |
|-------------------------------------|---------|--|-----------|
| | (First) | (Initial) | (Last) |
| Inventor's Signature: | Donal | tute | |
| Date: 5/26/9 | 8 | _ Country of Citizenship | U.S.A. |
| Residence Address: | (7.) | 3166 San Luis Street | |
| | | de number, street name, city, state, and | |
| _ | Fort C | ollins, Colorado 80525 | U.S.A. |
| Post Office Address: (If different) | na | | |
| - | ., | | |
| | | | |
| Inventor's Full Name: | Adrian | E. | Ong |
| _ | (First) | (Initial) | (Last) |
| Inventor's Signature: | | | |
| Date: | | Country of Citizenship | Singapore |
| | **** | _ , | |
| Residence Address: | | 2770 Huff Drive | |
| | (Includ | le number, street name, city, state, and c | country) |
| _ | Pleasar | nton, California 94588 | U.S.A. |
| Post Office Address: (If different) | | | |
| | | | |

| Inventor's Full Name: | Fan | Ho | | |
|------------------------------------|--|--|------------------------------|--|
| | (First) | (Initial) | (Last) | |
| Inventor's Signature: | | | | |
| Date: | | Country of Citizenship | Peoples Republic of China | |
| Residence Address: | | 1030 Castleton #G | | |
| | | nclude number, street name, city, state, and c | | |
| | Sun | myvale, California 94087 | U.S.A. | |
| Post Office Address:(If different) | | | | |
| Inventor's Full Name: | Kurt | D. | Beigel | |
| | (First) | (Initial) | (Last) | |
| Inventor's Signature: | | | | |
| Date: | | Country of Citizenship | U.S.A. | |
| Residence Address: | 4153 Minute Man Way | | | |
| | (Include number, street name, city, state, and country) Boise, Idaho 83706 U.S.A. | | | |
| Post Office Address:(If different) | | Doise, Idano 03700 C.S.2 | | |
| Inventor's Full Name: | Brett | M. | Debenham | |
| | (First) | (Initial) | (Last) | |
| Inventor's Signature: | | | | |
| Date: | | Country of Citizenship | U.S.A. | |
| Residence Address: | (I | 2757 West Pebblestone Ct | | |
| | Ŋ | Meridian, Idaho 83642 U.S | S.A. | |
| Post Office Address: | | | | |

| Inventor's Full Name: | Dien | | Luong |
|------------------------------------|---------|--|-----------|
| | (First) | (Initial) | (Last) |
| Inventor's Signature: | | | |
| Date: | | Country of Citizenship | U.S.A. |
| Residence Address: | | 9929 West Crestwater Ct. | |
| | | (Include number, street name, city, state, and count | try) |
| | | Boise, Idaho 83709 U.S.A. | |
| Post Office Address:(If different) | | | |
| | | | |
| Inventor's Full Name: | Kim | | Pierce |
| | (First) | (Initial) | (Last) |
| Inventor's Signature: | | | |
| Date: | 1 | Country of Citizenship | U.S.A. |
| Residence Address: | | 1064 East Cayman Drive | |
| | | (Include number, street name, city, state, and country | |
| | | Meridian, Idaho 83642 U.S.A | 1. |
| Post Office Address:(If different) | | | |
| | | | |
| Inventor's Full Name: | Patrick | J. | Mullarkey |
| | (First) | (Initial) | (Last) |
| Inventor's Signature: | | | |
| Date: | | Country of Citizenship | U.S.A. |
| Residence Address: | | 2883 North Stone Avenue | |
| | | (Include number, street name, city, state, and countr | y) |
| | | Meridian, Idaho 83642 U.S.A | |
| Post Office Address: | | | |

Micron Ref. No.: 95-0580

(Status)

$\underline{\mathbf{D}}\;\underline{\mathbf{E}}\;\underline{\mathbf{C}}\;\underline{\mathbf{L}}\;\underline{\mathbf{A}}\;\underline{\mathbf{R}}\;\underline{\mathbf{A}}\;\underline{\mathbf{T}}\;\underline{\mathbf{I}}\;\underline{\mathbf{O}}\;\underline{\mathbf{N}}$

As the below named inventors, we hereby declare that:

is attached hereto.

(Application Serial No.)

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled "METHOD AND APPARATUS FOR CHECKING THE RESISTANCE OF PROGRAMMABLE ELEMENTS," the specification of which:

| X | was filed on | 03/07/97 | as Applic | ation Serial No | .: 08/813,525 |
|---|---|---|---|---|--|
| We here identified specifi | - | | ewed and | understand the | e contents of the above |
| known to us to | | atentability o | f the subje | ct matter claim | ark Office all information ed in this application, as |
| any foreign appl | lication(s) for page gn application for | tent or invent or patent or in | or's certific ventor's c | cate listed below | ed States Code, § 119 of w and have also identified g a filing date before that |
| | PR | IOR FOREIC | N APPLIC | CATION(S) | Priority Claimed |
| (Number) | ((| Country) | (D | ate Filed) | Yes/No |
| (Number) | ((| Country) | (D | ate Filed) | Yes/No |
| States application application is not first paragraph of information know application, as ' | on(s) listed belowed the disclosed in the of Title 35, Unit own to us to be "materiality" is of the between the | v and, insofarme prior United States Coomaterial to defined in Tit filing date of | as the subd States apde, § 112, patentabilite 37, Cod | oject matter of explication in the we acknowledge of the subject of Federal References. | de, § 120 of any United each of the claims of this manner provided by the gethe duty to disclose all ct matter claimed in this egulations, § 1.56, which and the national or PCT |

(Filing Date)

We hereby direct that all correspondence and telephone calls be addressed to Michael G. Fletcher, Fletcher, Yoder & Edwards, Post Office Box 692289, Houston, Texas 77269-2289 (281) 970-4545.

We hereby declare that all statements made of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Inventor's Full Name: | Douglas | J | Cutter | |
|------------------------------------|---|---|-----------|--|
| | (First) | (Initial) | (Last) | |
| Inventor's Signature: | | | | |
| Date: | | Country of Citizenship | U.S.A. | |
| Residence Address: | | 3166 San Luis Street | | |
| | ` | aclude number, street name, city, state, and co | | |
| | Fort | Collins, Colorado 80525 | U.S.A. | |
| Post Office Address:(If different) | | | | |
| Inventor's Full Name: | Adrian | E. | Ong | |
| | (First) | (Initial) | (Last) | |
| Inventor's Signature: | Adiria | n Ong | | |
| ~ /\ \ /\ar | | · | ~• | |
| Date: $\frac{5/38/98}{}$ | | Country of Citizenship | Singapore | |
| Residence Address: | | 2770 Huff Drive | | |
| | (Include number, street name, city, state, and country) | | | |
| | Plea | santon, California 94588 | U.S.A. | |
| Post Office Address:(If different) | | | | |

| Inventor's Full Name: | Fan | Но | | |
|-------------------------------------|--|--|------------------------------|--|
| | (First) | (Initial) | (Last) | |
| Inventor's Signature: | | | | |
| Date: | | Country of Citizenship | Peoples Republic of China | |
| Residence Address: | | 1030 Castleton #G | | |
| | • | nclude number, street name, city, state, and c | | |
| | Sur | myvale, California 94087 | U.S.A. | |
| Post Office Address: (If different) | | | | |
| Inventor's Full Name: | Kurt | D. | Beigel | |
| | (First) | (Initial) | (Last) | |
| Inventor's Signature: | | | | |
| Date: | | Country of Citizenship | U.S.A. | |
| Residence Address: | 4153 Minute Man Way (Include number, street name, city, state, and country) | | | |
| | | Boise, Idaho 83706 U.S. | A | |
| Post Office Address: (If different) | | | | |
| Inventor's Full Name: | Brett | М. | Debenham | |
| Inventor 5 I am I value. | (First) | (Initial) | (Last) | |
| Inventor's Signature: | | | | |
| Date: | | Country of Citizenship | U.S.A. | |
| Residence Address: | 2757 West Pebblestone Ct. | | | |
| | (Include number, street name, city, state, and country) | | | |
| | <u></u> | Meridian, Idaho 83642 U | .S.A. | |
| Post Office Address: (If different) | 4 | | | |

| Inventor's Full Name: | Dien | | Luong |
|-------------------------------------|---------|---|-----------|
| | (First) | (Initial) | (Last) |
| Inventor's Signature: | | | |
| Date: | | Country of Citizenship | U.S.A. |
| Residence Address: | | 9929 West Crestwater Ct. | |
| | | (Include number, street name, city, state, and cour | ntry) |
| | | Boise, Idaho 83709 U.S.A. | |
| Post Office Address: (If different) | | | |
| | | | |
| Inventor's Full Name: | Kim | | Pierce |
| | (First) | (Initial) | (Last) |
| Inventor's Signature: | | | |
| Date: | | Country of Citizenship _ | U.S.A. |
| Residence Address: | | 1064 East Cayman Drive | |
| | | (Include number, street name, city, state, and cour | |
| | | Meridian, Idaho 83642 U.S. | A. |
| Post Office Address: (If different) | | | |
| | | | |
| Inventor's Full Name: | Patrick | J. | Mullarkey |
| | (First) | (Initial) | (Last) |
| Inventor's Signature: | | | |
| Date: | | Country of Citizenship _ | U.S.A. |
| Residence Address: | | 2883 North Stone Avenue | |
| | | (Include number, street name, city, state, and cour | |
| | | Meridian, Idaho 83642 U.S. | Α. |
| Post Office Address: | | | <u> </u> |

Micron Ref. No.: 95-0580

08/813,525

<u>DECLARATION</u>

as Application Serial No.:

As the below named inventors, we hereby declare that:

03/07/97

is attached hereto. was filed on **0**

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled "METHOD AND APPARATUS FOR CHECKING THE RESISTANCE OF PROGRAMMABLE ELEMENTS," the specification of which:

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|---|--|--|--|
| We hereby state identified specification, in | | ewed and understand | the contents of the above |
| | rial to patentability of | f the subject matter cla | emark Office all information aimed in this application, as .56. |
| any foreign application(s) |) for patent or inventor eation for patent or in | or's certificate listed be eventor's certificate hav | nited States Code, § 119 of slow and have also identified ring a filing date before that |
| | DDIOD EODEIC | NI ADDITICATIONICS | |
| | PRIOR FOREIG | N APPLICATION(S) | Priority Claimed |
| (Number) | (Country) | (Date Filed) | Yes/No |
| (Number) | (Country) | (Date Filed) | Yes/No |
| States application(s) liste application is not disclos first paragraph of Title 3 information known to unapplication, as "materialism." | d below and, insofar ed in the prior Unite 55, United States Cods to be material to pity" is defined in Titlen the filing date o | as the subject matter of States application in le, § 112, we acknowled patentability of the subject of Federal | Code, § 120 of any United of each of the claims of this the manner provided by the edge the duty to disclose all eject matter claimed in this Regulations, § 1.56, which a and the national or PCT |
| (Application Serial No | o.) (Fil | ing Date) | (Status) |
| | | | |

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We hereby declare that all statements made of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Inventor's Full Name: | Douglas | J. | Cutter | |
|--|---|--------------------------|---------------|--|
| | (First) | (Initial) | (Last) | |
| Inventor's Signature: | | | | |
| Date: | | Country of Citizenship | U.S.A. | |
| Residence Address: | (In | 3166 San Luis Street | untry) | |
| | • | Collins, Colorado 80525 | | |
| Post Office Address: | | | | |
| Inventor's Full Name: | Adrian (First) | E. (Initial) | Ong (Last) | |
| Inventor's Signature: | | | | |
| Date: | | Country of Citizenship | Singapore | |
| Residence Address: | 2770 Huff Drive | | | |
| | (Include number, street name, city, state, and country) | | | |
| | Plea | santon, California 94588 | U.S.A. | |
| Post Office Address: (If different) | | | | |

| Inventor's Full Name: | Fan | | Но | | |
|-------------------------------------|---|---|------------------------------|--|--|
| | (First) | (Initial) | (Last) | | |
| Inventor's Signature: | | | | | |
| Date: | | Country of Citizenship | Peoples Republic of China | | |
| Residence Address: | | 1030 Castleton #G | | | |
| | | lude number, street name, city, state, and co | - | | |
| - | Sunn | yvale, California 94087 | U.S.A. | | |
| Post Office Address: (If different) | | | | | |
| | | | | | |
| Inventor's Full Name: | Kurt | D. | Beigel | | |
| _ | (First) | (Initial) | (Last) | | |
| Inventor's Signature: | Junt D | Bigl | | | |
| Date: MAY | 1 28 1998 | Country of Citizenship | U.S.A. | | |
| Residence Address: | 4153 Minute Man Way | | | | |
| | (Include number, street name, city, state, and country) | | | | |
| | | Boise, Idaho 83706 U.S.A | . | | |
| Post Office Address: (If different) | | | | | |
| | | | | | |
| Inventor's Full Name: | Brett | M. | Debenham | | |
| | (First) | (Initial) | (Last) | | |
| Inventor's Signature: _ | Britt M | 174.1. | | | |
| Date: 5/28/199 | | _ Country of Citizenship | U.S.A. | | |
| Residence Address: | | 2757 West Pebblestone Ct. | | | |
| | | ide number, street name, city, state, and cou | • | | |
| | Me | eridian, Idaho 83642 U.S | .A. | | |
| Post Office Address: | | | | | |

| Inventor's Full Name: | Dien | | Luong |
|--|-----------|--|-----------|
| | (First) | (Initial) | (Last) |
| Inventor's Signature: | Meluo | <i>~</i> | |
| Date: May 2 | 9 1998 | _ Country of Citizenship _ | U.S.A. |
| Residence Address: | | 9929 West Crestwater Ct. | |
| | (Includ | le number, street name, city, state, and cour | ntry) |
| | В | oise, Idaho 83709 U.S.A | • |
| Post Office Address: (If different) | | | |
| | | | |
| Inventor's Full Name: | Kim | | Pierce |
| | (First) | (Initial) | (Last) |
| Inventor's Signature: | - Rim V | June | |
| Date: <u>May</u> | 28, 1998 | _ Country of Citizenship _ | U.S.A. |
| Residence Address: | , | 1064 East Cayman Drive | |
| | (Includ | de number, street name, city, state, and cou | ntry) |
| | Me | ridian, Idaho 83642 U.S. | .A. |
| Post Office Address: (If different) | | | |
| Inventor's Full Name: | Patrick | J. | Mullarkey |
| | (First) | (Initial) | (Last) |
| Inventor's Signature: | - Radel 1 | Milahy | |
| Date: May 2 | 27 1998 | _ Country of Citizenship | U.S.A. |
| Residence Address: | (Inch) | 2883 North Stone Avenue de number, street name, city, state, and cou | untry) |
| | | ridian, Idaho 83642 U.S | |
| | TVIC | ALLEMAN COULT COU | |
| Post Office Address: (If different) | | | |

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 S. Federal Way, Boise, Idaho 83707-0006, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "METHOD AND APPARATUS FOR CHECKING THE RESISTANCE OF PROGRAMMABLE ELEMENTS," such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

١,,إ

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

| (| Signature):N | Jame: Douglas J. Outter |). Cath | ~ | Date: 3/12 | -197- |
|--|---------------------|--|-----------------|----------------------|---|---------------------|
| S | STATE OF <u>Col</u> | braclo Larimer | § ss. | | | |
| a | nneared Douglas | ME, the undersigned autho J. Cutter known to me that he executed the same | to be the perso | n whose name sub- | scribed to the forego | oing instrument and |
| | | | ינוי) יינוי | monission 12-2-97 | leen 4n. f Hotary or Consular Of Uppirise | Siker |
| _ | SEAL] | | CV. | 12-2-97 | ′ ∤ | |
| The state of the s | (Signature): | | | | Date: | |
| | 1 | Name: Adrian E. Ong | | | | |
| The state of the s | STATE OF | | § § ss. § | | | |
| ; | appeared Adrian | ME, the undersigned author E. Ong known to me to the that he executed the same | o de the persor | i whose name suos | scribed to me torest | Juig manumient and |
| | | | | | | |
| | | | | 1 | Notary or Consular Of | ncer |
| | [SEAL] | ` | | | | |

| (Signature): | | | Date: | |
|--|---|-------------------------|-------------------------------|--------------------|
| (Signature): Name: Fan Ho | | | | |
| STATE OF | § § ss. § | | | |
| | igned authority, on thisbe the person whose name subs | cribed to the foregoing | g instrument and acknowledged | sonally l to me |
| | - | Notar | y or Consular Officer | |
| [SEAL] | | | | |
| The state of the s | | | | |
| (Signature): Name: Kurt D. | Beigel | | Date: | |
| STATE OF | | | | |
| | signed authority, on this | vhose name subscribe | ed to the foregoing instrume | ent and |
| | | | y or Consular Officer | |
| [SEAL] | , | HADIAL | y or communa ormeer | |

| ME, the undersignate. Debenham knowne that he executed to | ed authority, | § ss. § on this | day of . | e subscribed to to sosses and consider | radon dierem ex | _, personally strument and |
|---|---|---|---|--|--|---|
| ME, the undersign | ed authority, | on this | day of on whose name will for the purp | oses and conside. | radon dierem ex | _, personally strument and pressed. |
| ME, the undersign I. Debenham know ne that he executed to | ed authority, In to me to the same of h | on this be the person is own free v | day of on whose name will for the purp | oses and conside. | radon dierem ex | _, personall strument an pressed. |
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| Name: Dien Luonş | 3 | | | Date: | | |
| | | § ss. | | | | |
| tong known to me t | to he the hers | son whose n | attie subscribed | to me foregoing | montaineme and | , persona acknowledg |
| | | | | Notary or Co | onsular Officer | |
| | E ME, the undersign | E ME, the undersigned authority | § ss. § E ME, the undersigned authority, on this | § ss. § ss. EME, the undersigned authority, on thisday of the person whose name subscribed | Name: Dien Luong \$ \$ \$ \$ \$ S. E ME, the undersigned authority, on this | § |

| (Signature): | | | | Date: | |
|--|--|------------------|------------------------|---------------------|---------------------|
| (0.514.4.0). | Name: Kim M. Pierce | | | | |
| | | | | | |
| | | . § § ss. | | | |
| COUNTY OF | | § . | | | |
| anneared Kim | ORE ME, the undersigned authority M. Pierce known to me to be to me that he executed the same of | e the person | whose name subscri | ibed to the foreg | oing instrument and |
| | | | Not | ary or Consular O | fficer |
| | | | 1.00 | | |
| [SEAL] | | | | | |
| den em generale de la composition della composit | | | | | |
| ing. | | | | | |
| 1, 15 1, 16 2, 18 | | | | | |
| | | | | | |
| (Signature): _ | Name: Patrick J. Mullarkey | | | Date: | |
| 1.4 | Name: Patrick J. Mullarkey | | | | |
| | | | | | |
| STATE OF _ | | . § | | | |
| E COUNTY OF | | § ss. _ § | | | |
| | | - v | | | |
| anneared Patr | ORE ME, the undersigned authoritick J. Mullarkey known to me | to be the perso | n whose name subs | cribed to the fore | gome menmen and |
| acknowledged | to me that he executed the same o | f his own free w | ill for the purposes a | nd consideration th | nerein expressed. |
| | | | | | |
| | | | | | |
| | | | No | tary or Consular C | fficer |
| | | | | | |
| [SEAL] | · | | | | |

Sole/Joint, Concurrent with Application

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 S. Federal Way, Boise, Idaho 83707-0006, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "METHOD AND APPARATUS FOR CHECKING THE RESISTANCE OF PROGRAMMABLE ELEMENTS," such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

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WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

| (Signature). | | | | _ Date: |
|--|--|---------------|--------------------|---|
| (Oignature). | Name: Douglas J. Cutter | | | |
| | | | | |
| STATE OF | | § § ss. | | |
| COUNTY OF _ | | § 55. | | |
| anneared Dougle | e I Cutter known to me to | he the person | whose name subscri | , 199, personally ibed to the foregoing instrument and d consideration therein expressed. |
| | | | | |
| | | | Nota | ary or Consular Officer |
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| [SEAL] | | | | |
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| 7 - 1 - 1 - 1 | | | | |
| [SEAL] | . 10 | | | |
| | Add | | | Date: 3-/3-97 |
| (Signature): | Name: Adrian F. Ong | | | Date: |
| | Name: Adrian E. Ong AL; FORNIA SANTA CLARA | | | |
| * III | 2 | | | |
| STATE OFC | AL; FORNIA | . § § ss. | | |
| COUNTY OF _ | SANTA CLARA | . § | | |
| BEFOR | RE ME, the undersigned authority | y, on this | whose name subscri | neh, 1992, personally ibed to the foregoing instrument and and consideration therein expressed. |
| ANNA CONTRACTOR OF THE PARTY OF | R. E. STAYIDISHI COMMI. # 1039595 Netary Public — Colifornia SANTA CRUZ COUNTY My Comm. Expires DEC 30, 1978 | | R.E.S. | tary or Consular Officer |

[SEAL]

| (Signature): | | | | Date: | |
|----------------|---|-------------------|-----------------------|--------------------|---|
| (5.5) | Name: Fan Ho | | | | |
| STATE OF | | § | | | |
| appeared Fan I | RE ME, the undersigned auth Ho known to me to be the pers I the same of his own free will | on whose name sub | scribed to the forego | ing instrument and | , 199, personally i acknowledged to me |
| | | | Not | tary or Consular C | fficer |
| [SEAL] | | | | | |
| | | | | | |
| | Name: Kurt D. Beigel | | | Date: | |
| STATE OF | | | | | |
| appeared Kur | ORE ME, the undersigned auth t D. Beigel known to me to me to me that he executed the same | to be the person | whose name subscr | ibed to the fore | going instrument and |
| | | | No | tary or Consular (| Officer |
| [SEAL] | `` | | | | |

| (Signature): | | | | Date: | |
|---------------------------------------|---|---------------------------------------|--|---|----------------------------------|
| (Orginatoro). | Name: Brett M. Debenham | | | | |
| STATE OF | | 8 | | | |
| | | 0 | | | |
| COUNTY OF | 7 | _ § . | | | |
| BEFO | ORE ME, the undersigned authori | ty, on this | day of | , 19 | 9, personally |
| appeared Bree | tt M. Debenham known to me to me that he executed the same of | to be the person of his own free w | n whose name subscribe ill for the purposes and c | ed to the foregoing consideration therein | instrument and expressed. |
| acknownedged | to Me did no checulo de ciamo | | • • | | - |
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| | | | Notary | or Consular Officer | |
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| [SEAL] | | | | | |
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| Gignature): _ | | | | | |
| (Signature): _ | Name: Dien Luong | | | Date: | |
| : : : : : : : : : : : : : : : : : : : | Name: Dien Luong | | | | |
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| STATE OF _ | | § § ss. | | | |
| COUNTY OF | ī | § ss. § | | | |
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| BEF | ORE ME, the undersigned authoring Luong known to me to be the p | ty, on this | day of ne subscribed to the fore | going instrument an | 99, personally d acknowledged |
| to me that he | executed the same of his own free | will for the purp | oses and consideration th | nerein expressed. | |
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| | | | Notary | or Consular Officer | |
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[SEAL]

| (Signature): | | Date: |
|---|---------------------------------------|--|
| Name: Kim M. Pierce | | |
| STATE OF | § § ss. § | |
| | ٠. | |
| appeared Kim M. Pierce known to me to or | e me persor | day of, 199, personally n whose name subscribed to the foregoing instrument and will for the purposes and consideration therein expressed. |
| | | Natural of Control of Control |
| | | Notary or Consular Officer |
| [SEAL] | | |
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| | | |
| (Signature): | | Data |
| Name: Patrick J. Mullarkey | · · · · · · · · · · · · · · · · · · · | Date: |
| | | |
| STATE OF | 8 | |
| | § ss. | |
| COUNTY OF | § | |
| DEFORE ME, the undersigned outhority | on this | day of, 199, personally |
| appeared Patrick J. Mullarkey known to me to | be the per | rson whose name subscribed to the foregoing instrument and |
| acknowledged to me that he executed the same of l | nis own free | will for the purposes and consideration therein expressed. |
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| | | |
| | | Notary or Consular Officer |
| (CEAL) | | |
| [SEAL] | | |
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Sole/Joint, Concurrent with Application

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 S. Federal Way, Boise, Idaho 83707-0006, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "METHOD AND APPARATUS FOR CHECKING THE RESISTANCE OF PROGRAMMABLE ELEMENTS," such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

| (Signature): | | | _ Date: | |
|--|---------------------------------------|--|--------------------|--|
| (Signature):Name: Douglas J. Cutter | | | | |
| STATE OF | § | | | |
| COUNTY OF | § 55. | | | |
| BEFORE ME, the undersigned authority, of appeared Douglas J. Cutter known to me to be acknowledged to me that he executed the same of his | the person | whose name subsc | ribed to the fore | going instrument ar |
| | | No | tary or Consular (| Officer |
| [SEAL] | | | | |
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| (Signature):Name: Adrian E. Ong | | | Date: | |
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| STATE OF | § § ss. | | | |
| COUNTY OF | § | | | |
| BEFORE ME, the undersigned authority, of appeared Adrian E. Ong known to me to be acknowledged to me that he executed the same of his | on this the person s own free v | day ofwhose name subscivill for the purposes a | ribed to the fore | , 199, personal egoing instrument artherein expressed. |
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| [SEAL] | | | | |

| (Signature): | Date: |
|--|---|
| (Signature): Name: Fan Ho | |
| STATE OF | |
| COUNTY OF § ss. | |
| BEFORE ME, the undersigned authority, on this appeared Fan Ho known to me to be the person whose nathat he executed the same of his own free will for the purp | day of, 199, personall me subscribed to the foregoing instrument and acknowledged to moses and consideration therein expressed. |
| | Notary or Consular Officer |
| [SEAL] | |
| | |
| (Signature): Nande: Kurt D. Beige | Date: MAR 5 1997 |
| STATE OF | |
| | day of |
| | Notary or Consular Officer |
| [SEAL] | romy of Communa Critical |

| (Signature): Date: 7/16/57 Name: Brett M. Debenham |
|--|
| STATE OF Idaho \$ ss. COUNTY OF Ada \$ ss. |
| BEFORE ME, the undersigned authority, on this |
| [SEAL] Notary or Consular Officer Notary or Consular Officer |
| (Signature): Date:7/16 -97 |
| STATE OF 6 8 S SS. COUNTY OF PC/A S |
| BEFORE ME, the undersigned authority, on this |
| ISEAL PUBLIC DANGER OF DAN |

| (Signature): Rame: Kim M. Pierce | June | Da | te: <u>7-10-97</u> |
|--|------------------------|-------------------------|--|
| Name: Kim W. Fierce | 3 | | · |
| STATE OF IDANO | | | |
| COUNTY OF HOA | § \$ | | |
| BEFORE ME, the undersigned appeared Kim M. Pierce known to acknowledged to me that he executed the | me to be the person wh | nose name subscribed to | , 199 , personally the foregoing instrument and ideration therein expressed. |
| THERE LEIGHT ON THE | <u>.)</u> | Mu Much Notary or | Kon Consular Officer |
| [SEAL] NOTARY OF INTERIOR OF I | | | |
| (Signature): Name: Patrick J. Mu | Mulaly Harkey | Da | te: <u>Mar 24 1997</u> |
| STATE OF ICANO COUNTY OF FOR | | | |
| BEFORE ME, the undersigned appeared Patrick J. Mullarkey known acknowledged to me that he executed the | to me to be the person | whose name subscribed | to the foregoing instrument and |
| HOTARL THE | _ | hely held Notary or | WHON Consular Officer |
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Sole/Joint, Concurrent with Application